

SOLID-PHASE EXTRACTION (SPE) by EPA 3535A REVISION 1 FEBRUARY 2007						Page 1 of 3
Facility Name: _____ VELAP ID: _____						
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____						
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments	
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____						
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____						
Were all solvents, reagents, glassware, and other sample processing hardware demonstrated to be free from interferences by the analysis of a method blank?	4.1 9.3					
When there was a change in reagents, did a method blank include the new reagents?	9.3					
Were reagent-grade chemicals used in all tests?	7.1					
Was Sodium Sulfate Na ₂ SO ₄ purified by heating at 400°C for 4 hours OR by precleaning with methylene chloride?	7.3					
Were samples shaken for several minutes prior to preparation?	11.1.1					
If the entire sample was not used and a sample aliquot was measured in a graduated cylinder for preparation, was it recorded that the original container was not rinsed?	11.1					
Were the pHs of samples adjusted according to the range necessary for the analyte groups of interest listed in the attached table?	11.2					
Disk Preparation						
Were disks and extraction apparatus first washed by rinsing wash solvent down the sides of the glass reservoir?	11.4.1					
Was the wash solvent partially pulled through the disk with the vacuum then being turned off so that the disk could soak for about 1 minute?	11.4.1					
If a filtration aid was used, was the volume of wash solvents adjusted so that the entire filter bed was submerged?	11.4.1.1					
Notes/Comments:						

SOLID-PHASE EXTRACTION (SPE)					
by EPA 3535A REVISION 1 FEBRUARY 2007					Page 2 of 3
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Was the conditioning solvent [may be different than the wash solvent] partially pulled through the disk with the vacuum then being turned off so that the disk could soak for 1 to 3 minutes?	11.5.1				
Beginning with the conditioning above, was the disk not allowed to go dry until sample extraction was completed?	11.5				
If a disk was allowed to go dry after rinsing with conditioning solvent, were the conditioning steps (11.5) repeated prior to adding sample?	11.5				
Was organic-free reagent water then added to the disk and partially drawn through with the disk being left wet?	11.5.4				
Sample Extraction Using SPE Disks					
After sample was drawn through the solid-phase media, was the vacuum maintained for about 3 minutes?	11.6.2				
Were the disks next extracted with a solvent?	11.7.2				
Were the sample container and extraction apparatus rinsed with solvent? (Sample container rinsing may be omitted if the exclusion of particulate matter at the bottom of container from extraction is necessary.)	11.7.3				
Extraction Using Cartridges for Nitroaromatics, Nitramines, and Explosives					
Was the SPE cartridge rinsed with acetonitrile and not allowed to go dry?	11.8.1				
After the sample was passed through the cartridge, was reagent water passed through the cartridge?	11.8.5.1				
After the cartridge was rinsed with reagent water, was the disk extracted with acetonitrile?	11.8.7				
Notes/Comments:					

<u>Analyte Group</u>	<u>Extraction pH</u>
Phthalate esters	5 - 7
Organochlorine pesticides	5 - 9
Polychlorinated biphenyls (PCBs)	5 - 9
Organophosphorus pesticides	as received
Nitroaromatics and nitramines	as received
Explosives	as received
TCLP leachates containing organochlorine pesticides	as produced by TCLP
TCLP leachates containing semivolatiles	as produced by TCLP
TCLP leachates containing phenoxyacid herbicides	1.0

Analyte Group	Extraction Media Type	Determinative Method
Phthalate esters	Disks	8061
Organochlorine pesticides	Disks	8081
Polychlorinated biphenyls (PCBs)	Disks	8082
Organophosphorus pesticides	Disks	8141
Nitroaromatics and nitramines	Disks and Cartridges	8330
Explosives*	Disks and Cartridges	8095
TCLP leachates containing organochlorine pesticides	Disks	8081
TCLP leachates containing semivolatiles	Disks	8270
TCLP leachates containing phenoxyacid herbicides	Disks	8321

* Includes the nitroaromatics, nitramines, and nitrate esters listed in Method 8095